

## EAST Search History

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| S1    | 122  | ((main or physical or major or primary or analog) near2 channel) with ((sub or digital or minor) near2 channel) with without   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/02/01 14:41 |
| S2    | 66   | ((((main or physical or major or primary or analog) near2 channel) with ((sub or digital or minor) near2 channel) with without) and @ad<"20010131"                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/02/01 14:41 |
| S3    | 3    | ((((main or physical or major or primary or analog) near2 channel) with ((sub or digital or minor) near2 channel) with without) and @ad<"20010131" and "725"/\$.cls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/02/01 14:42 |
| S4    | 2    | ((((main or physical or major or primary) near2 channel) with ((sub or virtual or minor) near2 channel) with without) and @ad<"20010131" and "725"/\$.cls.           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/02/01 14:42 |
| S5    | 1    | S4 not S3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/02/01 14:42 |
| S6    | 22   | ((((main or physical or major or primary) near2 channel) with ((sub or virtual or minor) near2 channel) with without) and @ad<"20010131"                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/02/01 14:44 |
| S7    | 23   | ((((main or physical or major or primary) near2 channel) with ((sub or virtual or minor) near2 channel) with (dash or minus or dot or period)) and @ad<"20010131"    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/02/01 14:51 |
| S8    | 2    | ((((main or physical or major or primary) near2 channel) with ((sub or virtual or minor) near2 channel) with (delimit\$4)) and @ad<"20010131"                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/02/01 14:52 |

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|     |      |  |   |    |    |                  |
|-----|------|--|---|----|----|------------------|
| S9  | 22   | ((main or physical or major or primary) near2 channel) with ((sub or virtual or minor) near2 channel) with (automatic\$4)) and @ad<"20010131"                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/01 14:52 |
| S10 | 2    | "6661472".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/06 16:37 |
| S11 | 2477 | ((minus or dash or slash or space or period or dot or delimit\$3) with ((minor or digital or sub or virtual) near3 channel))                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/15 11:23 |
| S12 | 1322 | ((minus or dash or slash or space or period or dot or delimit\$3) with ((minor or digital or sub or virtual) near3 channel)) and @ad<"20010131"                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/06 16:39 |
| S13 | 49   | ((minus or dash or slash or space or period or dot or delimit\$3) with ((minor or digital or sub or virtual) near3 channel)) and @ad<"20010131" and "725"/\$.ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/06 16:47 |
| S14 | 2    | ((minus or dash or slash or space or period or dot) with (delimit\$3) with ((minor or digital or sub ) near2 channel)) and @ad<"20010131" and "725"/\$.ccls.       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/06 16:44 |
| S15 | 0    | S14 not S13  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/06 16:44 |
| S16 | 3    | ((minus or dash or slash or space or period or dot) with (delimit\$3) with ((minor or digital or sub ) near2 channel)) and @ad<"20010131"                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/06 16:44 |

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|     |      |   |   |    |     |                  |
|-----|------|---|---|----|-----|------------------|
| S17 | 1    | S16 not S14   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/02/06 16:44 |
| S18 | 4    | ((minus or dash or slash or space or period or dot or delimit\$3) with (input\$4 or select\$3 or push\$3) with ((major or physical or main) near2 channel)) and @ad<"20010131" and "725"/\$.ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/02/06 16:48 |
| S19 | 4919 | ((star or pound or symbol or function or macro) with ((minor or digital or sub or virtual) near3 channel))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/02/15 11:24 |
| S20 | 57   | ((star or pound or symbol or function or macro) with (key or button) with ((minor or digital or sub or virtual) near3 channel))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/02/15 11:24 |
| S21 | 25   | ((star or pound or symbol or function or macro) with (key or button) with ((minor or digital or sub or virtual) near3 channel)) and @ad<"20010131"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/02/15 11:28 |
| S22 | 162  | ((star or pound or number) with (key or button) with ((minor or digital or sub or virtual) near3 channel)) and @ad<"20010131"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/02/15 11:29 |
| S23 | 42   | ((star or pound or number) near3 (key or button)) with ((minor or digital or sub or virtual) near3 channel)) and @ad<"20010131"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/02/15 11:48 |
| S24 | 5    | (("6707508") or ("6313886")).PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/02/15 11:50 |

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|     |       |  |   |    |     |                  |
|-----|-------|--|---|----|-----|------------------|
| S25 | 2     | "20040189879"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/02/15 12:06 |
| S26 | 2     | ("6249320").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/02/15 14:15 |
| S27 | 16586 | ((major with minor with channel) or (physical with virtual with channel) or (primary with secondary with channel) or (main with sub with channel))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/02/15 14:17 |
| S28 | 7749  | ((major with minor with channel) or (physical with virtual with channel) or (primary with secondary with channel) or (main with sub with channel)) and @ad<"20010131"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/02/15 14:17 |
| S29 | 29    | ((major with minor with channel) or (physical with virtual with channel) or (primary with secondary with channel) or (main with sub with channel)) and @ad<"20010131" and ((dash or minus or star or pound or dot or period) near2 (button or key or pad or sign))               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/02/15 14:22 |
| S30 | 29    | ((major with minor with channel) or (physical with virtual with channel) or (primary with secondary with channel) or (main with sub with channel)) and @ad<"20010131" and ((dash or minus or star or pound or dot or period or delimit\$4) near2 (button or key or pad or sign)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/02/15 14:20 |
| S31 | 146   | ((major with minor with channel) or (physical with virtual with channel) or (primary with secondary with channel) or (main with sub with channel)) and @ad<"20010131" and delimit\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/02/15 14:25 |

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|     |     |   |   |    |    |                  |
|-----|-----|---|---|----|----|------------------|
| S32 | 5   | ((major with minor with channel) or (physical with virtual with channel) or (primary with secondary with channel) or (main with sub with channel)) and @ad<"20010131" and delimit\$4 and "725"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/15 14:24 |
| S33 | 3   | ((major with minor with channel) or (physical with virtual with channel) or (primary with secondary with channel) or (main with sub with channel)) and @ad<"20010131" and delimit\$4 and "348"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/15 14:24 |
| S34 | 0   | ((major with minor with channel) or (physical with virtual with channel) or (primary with secondary with channel) or (main with sub with channel)) and @ad<"20010131" and delimit\$4 and astc   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/15 14:25 |
| S35 | 3   | ((major with minor with channel) or (physical with virtual with channel) or (primary with secondary with channel) or (main with sub with channel)) and @ad<"20010131" and delimit\$4 and atsc   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/15 14:25 |
| S36 | 481 | ((major same minor same channel) or (physical same virtual same channel) or (primary same secondary same channel) or (main same sub same channel)) and @ad<"20010131" and (delimit\$4 or ((dash or minus or star or pound or dot or period) near2 (button or key or pad or sign)))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/15 14:27 |
| S37 | 12  | ((major same minor same channel) or (physical same virtual same channel) or (primary same secondary same channel) or (main same sub same channel)) and @ad<"20010131" and (delimit\$4 or ((dash or minus or star or pound or dot or period) near2 (button or key or pad or sign))) and ("725"/\$.ccls. or "348"/\$.ccls.) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/15 14:28 |
| S38 | 453 | 725/38.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/26 13:55 |

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|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| S39 | 943  | 348/731.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/26 13:55 |
| S40 | 378  | ((mac or (medi\$2 adj access adj control)) adj address) same request\$3 same (unicast\$3 or multicast\$3))                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/28 14:26 |
| S41 | 234  | ((((mac or (medi\$2 adj access adj control)) adj address) with request\$3) same (unicast\$3 or multicast\$3))                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/28 14:25 |
| S42 | 64   | ((mac or (medi\$2 adj access adj control)) adj address) same request\$3 same (unicast\$3 or multicast\$3)) and @ad<"19990125" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/28 14:26 |
| S43 | 31   | ((mac or (medi\$2 adj access adj control)) adj address) same dynamic\$4 same request\$3 same (unicast\$3 or multicast\$3))    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/28 14:30 |
| S44 | 3    | ((((mac or (medi\$2 adj access adj control)) adj address) with dynamic\$4) same request\$3 same (unicast\$3 or multicast\$3)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/28 15:01 |
| S45 | 1565 | ((mac or (medi\$2 adj access adj control)) adj address) same (unicast\$3 or multicast\$3))                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/28 15:02 |
| S46 | 37   | ((mac or (medi\$2 adj access adj control)) adj address) same (unicast\$3 or multicast\$3)) and "726"/\$.ccls.                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/28 15:03 |

## EAST Search History

|     |     |   |   |    |     |                  |
|-----|-----|---|---|----|-----|------------------|
| S47 | 0   | ((mac or (medi\$2 adj access adj control)) adj address) same (unicast\$3 or multicast\$3)) and "726"/29.ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/02/28 15:03 |
| S48 | 49  | ((fix\$2 or lock\$3) with (main or physical) with channel) and (digital near2 (tv or television))             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/03/06 15:07 |
| S49 | 456 | 725/38.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/03/06 15:13 |
| S50 | 949 | 348/731.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/03/06 15:14 |
| S51 | 2   | "20050010947"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/03/15 07:20 |
| S52 | 3   | "6776526"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/03/15 07:20 |
| S53 | 2   | ("6776526").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/15 07:21 |
| S54 | 2   | ("6766526").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/15 07:22 |